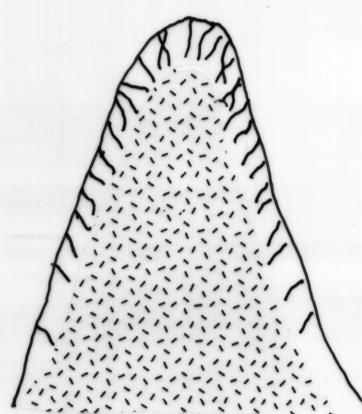
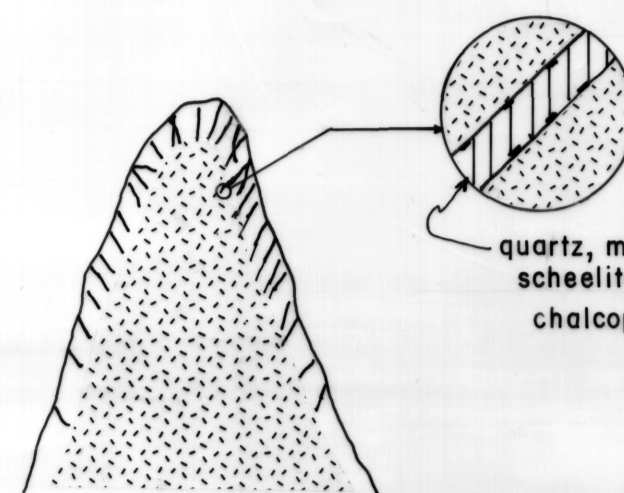


Stage 1) Emplacement of the granodiorite
to quartz diorite intrusive

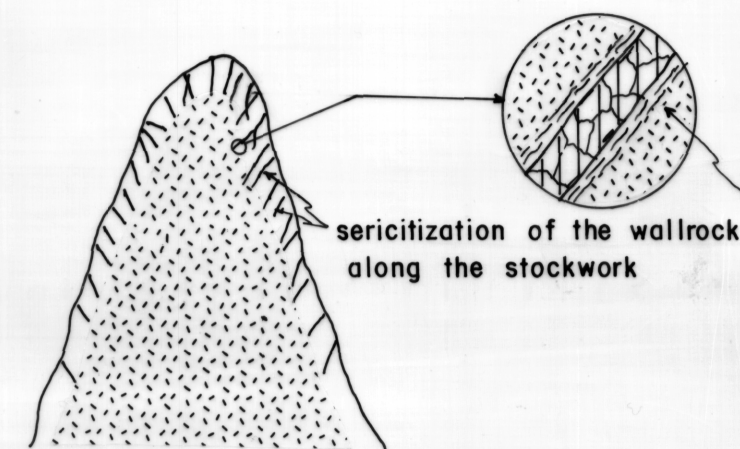


Stage 2) Initial cooling and development
of tensional stockwork fractures



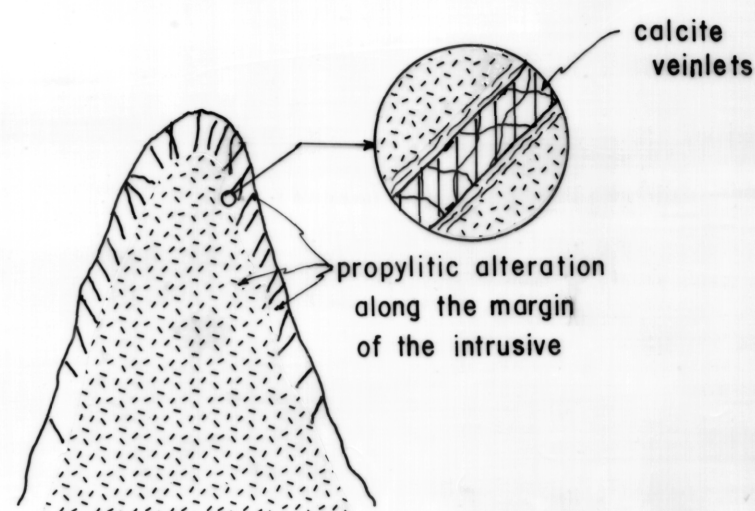
quartz, molybdenite,
scheelite, and minor
chalcopyrite

Stage 3) Deposition of quartz, molybdenite,
scheelite, and chalcopyrite along
the stockwork fractures



sericitization of the wallrock
along the stockwork

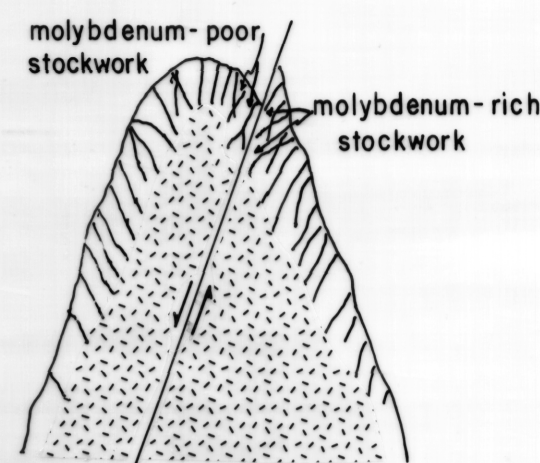
Stage 4) Further cooling and movement along
the stockwork fractures resulted in
smearing of the molybdenite along
the contacts and fracturing of the
quartz



calcite
veinlets

propylitic alteration
along the margin
of the intrusive

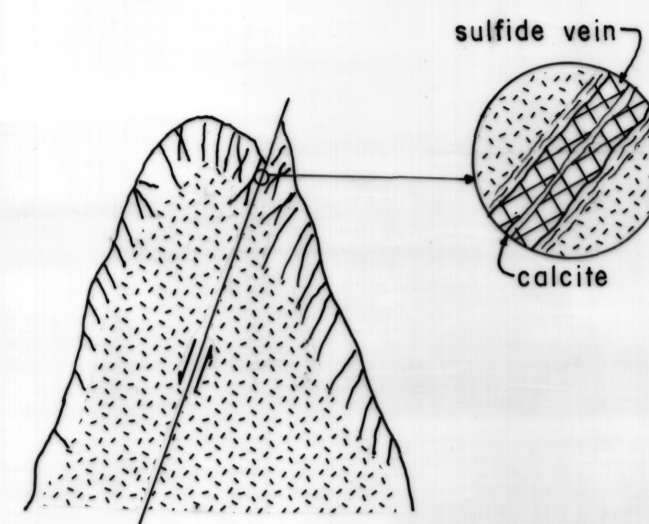
Stage 5) Introduction of calcite which replaced
some quartz and formed veinlets in the
fractured stockwork



molybdenum-poor
stockwork

molybdenum-rich
stockwork

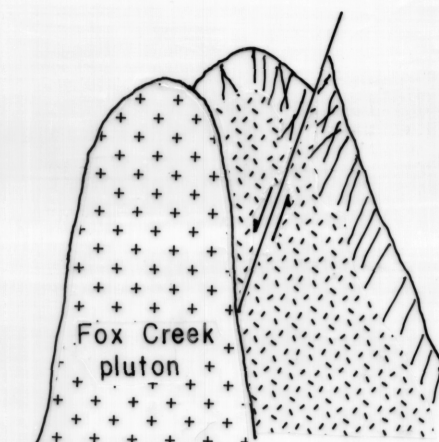
Stage 6) Additional faulting which resulted
in uplift of molybdenum-rich
stockwork



sulfide vein

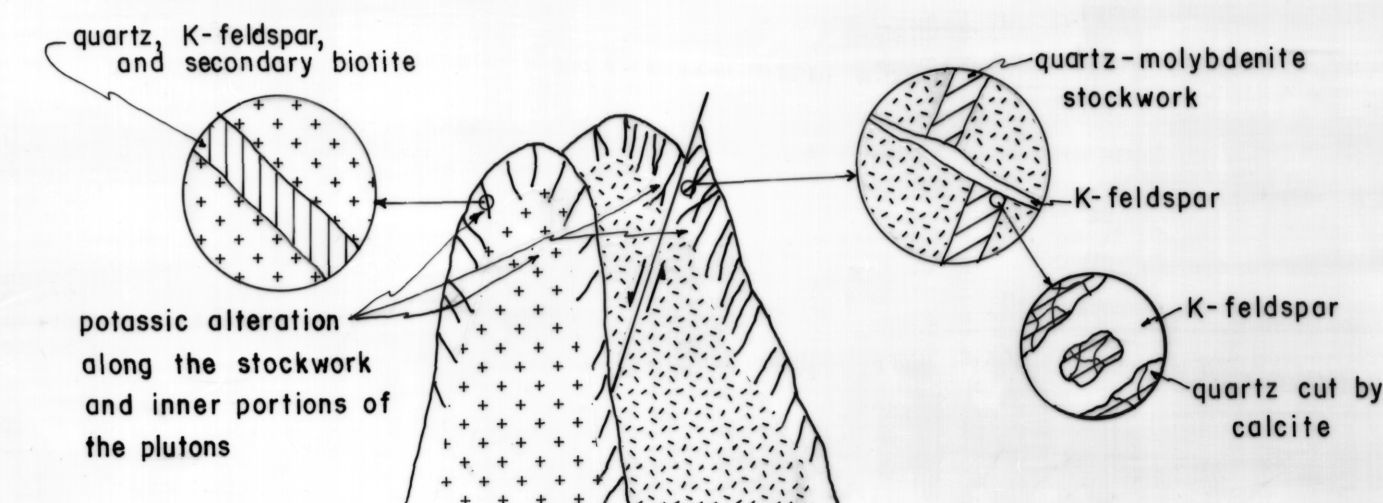
calcite

Stage 7) Deposition of pyrite, sphalerite,
galena, chalcopyrite, arsenopyrite,
and later calcite along joints and
shear zones

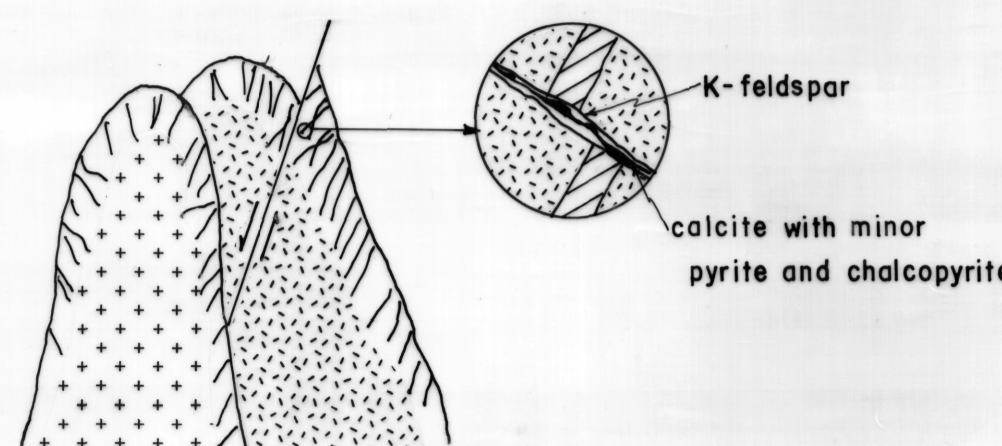


Fox Creek
pluton

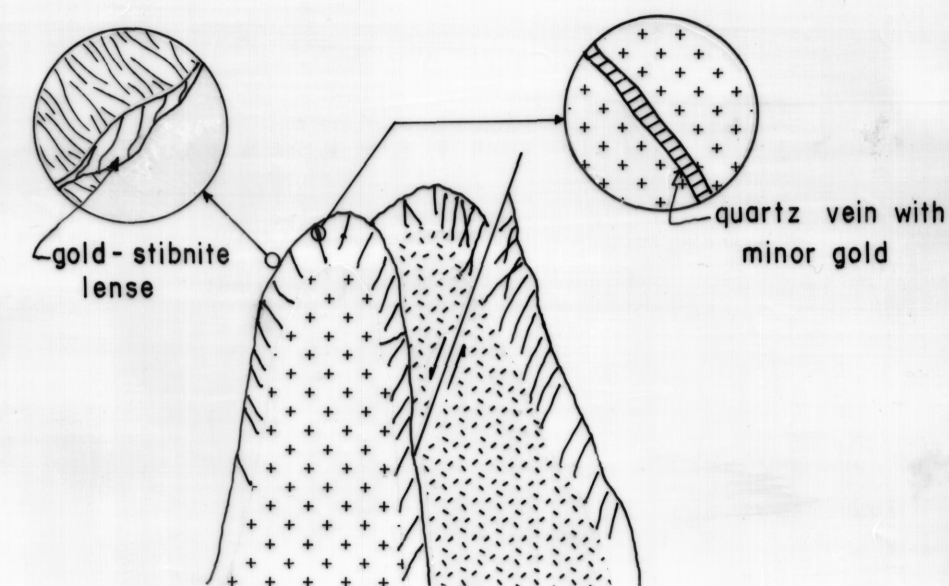
Stages 8 & 9) Emplacement of the quartz monzonite
and accumulation within the chamber
of residual fluids rich in silica,
alumina, and potash



Stage 10) Introduction of a potassic fluid phase
which crosscut the quartz-molybdenite
stockwork and also entered fractures
in the quartz monzonite



Stage 11) Introduction of a carbonate phase
along the crosscutting fractures of
stage 10 resulted in deposition of
calcite and minor pyrite and chalc-
pyrite



Stage 12) Deposition of minor gold-quartz veins
within the quartz monzonite. Gold-
stibnite lenses and pods were also
deposited within the contact zone.

SEQUENCE OF MAJOR HYDROTHERMAL EVENTS, SILVER FOX MINE